

### **ABSTRACT OF THE DISCLOSURE**

System for reducing electronic noise in a radio in a vehicle. Pulse Width Modulated, PWM, motors used in a vehicle receive pulses of electric current. These pulses have a Fourier spectrum of harmonics which can be picked up by a radio in the vehicle, causing the radio to produce unwanted noise. The invention reduces the noise by continually varying the base frequency of the PWM pulses, to thereby vary the spectrum of the noise. This varying spectrum is more difficult for humans to detect.